

U.S. Department of Commerce, Patent and Trademark Office (PTO Form 1449 modified)		Docket No. APPM/6060	Serial No. 10/043,561
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Applicant Olgado, et al.	Confirmation No. Unknown
(Use several sheets if necessary)		Filing Date January 8, 2002	Group Unknown
Examiner Unknown			

## U.S. Patent Documents

*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
K-cc	A1	3,727,620	04/17/1973	Orr	134	95	03/18/1970
K-cc	A2	3,770,598	11/06/1973	Creutz	204	52 R	01/21/1972
K-cc	A3	3,772,105	11/13/1973	Shipley	156	19	03/16/1972
K-cc	A4	3,953,265	04/27/1976	Hood	156	8	04/28/1975
K-cc	A5	3,990,462	11/09/1976	Elftmann, et al.	134	102	05/19/1975
K-cc	A6	4,027,686	06/07/1977	Shortes, et al.	134	33	01/02/1973
K-cc	A7	4,092,176	05/30/1978	Kozai, et al.	134	186	12/07/1976
K-cc	A8	4,110,176	08/29/1978	Creutz, et al.	204	52 R	05/04/1977
K-cc	A9	4,113,492	09/12/1978	Sato, et al.	96	67	04/08/1977
K-cc	A10	4,315,059	02/09/1982	Raisticj, et al.	429	112	07/18/1980
K-cc	A11	4,326,940	04/27/1982	Eckles, et al.	204	232	05/21/1979
K-cc	A12	4,336,114	06/22/1982	Mayer, et al.	204	52R	03/26/1981
K-cc	A13	4,376,685	03/15/1983	Watson	204	52R	06/24/1981

## Foreign Patent Documents

*Examiner Initial		Document Number	Date	Country	Class	Subclass	Translation	
							YES	NO
K-cc	B1	01-316,936	12/21/1989	JP	H01L	21/306	abstract <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
K-cc	B2	02-253,620	10/12/1990	JP	H01L	21/304	abstract <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
K-cc	B3	02-272,738	11/07/1990	JP	H01L	21/321	abstract <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

## OTHER ART

*Examiner Initial		Including Author, Title, Date, Pertinent Pages, Etc.
K-cc	C1	Semitool, Inc., "Metallization & Interconnect" (1998), 4 pages
	C2	Laurell Technologies Corp., "Two Control configurations available—see WS400 or WS-400Lite" <i>No publication date</i>
K-cc	C3	Censak, R.J., Spin Basket, IBM Tech Disc. Bull, Vol 18, No. 8 (January 1876), pp. 2476-2477
Examiner	K. C. <i>[Signature]</i>	
	Date Considered	6-17-03

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.

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**U.S. Patent Documents**

*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
K-CC	A14	4,405,416	09/20/1983	Raistrick, et al.	204	68	09/15/1981
K-CC	A15	4,429,983	02/07/1984	Cortellino, et al.	354	320	03/22/1982
K-CC	A16	4,435,266	03/06/1984	Johnston	204	276	09/30/1982
K-CC	A17	4,439,244	03/27/1984	Allevato	134	33	08/03/1982
K-CC	A18	4,489,740	12/25/1984	Rattan, et al.	134	140	12/27/1982
K-CC	A19	4,510,176	04/09/1985	Cuthbert, et al.	427	82	09/26/1983
K-CC	A20	4,518,678	03/21/1985	Allen	430	311	12/16/1983
K-CC	A21	4,519,846	05/28/1985	Aigo	134	15	03/08/1984
K-CC	A22	4,633,804	01/06/1987	Arii	118	52	03/04/1985
K-CC	A23	4,688,918	08/25/1987	Suzuki, t al.	354	325	03/20/1986
K-CC	A24	4,693,805	09/15/1987	Quazi	204	192.22	02/14/1986
K-CC	A25	4,732,785	03/22/1988	Brewer	427	240	09/26/1986

**Foreign Patent Documents**

*Examiner Initial		Document Number	Date	Country	Class	Subclass	Translation	
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K-CC	B4	03-220,723	09/27/1991	JP	H01L	21/306	<input checked="" type="checkbox"/>	<input type="checkbox"/>
K-CC	B5	05-013,322	01/22/1993	JP	H01L	21/027	<input checked="" type="checkbox"/>	<input type="checkbox"/>
K-CC	B6	05-160,104	06/25/1993	JP	H01L	21/306	<input checked="" type="checkbox"/>	<input type="checkbox"/>

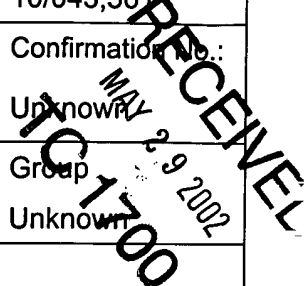
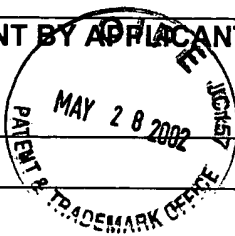
**OTHER ART**

*Examiner Initial		Including Author, Title, Date, Pertinent Pages, Etc.
K-CC	C4	Singer, P., "Wafer Processing", Semitool International (June 1998), pg. 70
	C5	Colombo, L., "Wafer Back Surface Film Removal", Central R&D, SGS-Thomson Microelectronics, Agrate, Italy
	C6	Verteq Online, "Products Overview", www.verteq.com

Examiner K. C. O'Brien Date Considered 6-17-03

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## U.S. Patent Documents

*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
K-cc	A26	4,788,994	12/06/1988	Shinbara	134	157	08/11/1987
K-cc	A27	4,838,289	06/13/1989	Kottman, et al.	134	153	04/25/1988
K-cc	A28	5,039,381	08/13/1991	Mullarkey	204	47.5	05/25/1989
K-cc	A29	5,055,425	10/08/1991	Leibovitz, et al.	437	195	06/01/1989
K-cc	A30	5,092,975	03/03/1992	Yamamura, et al.	204	198	06/15/1989
K-cc	A31	5,155,336	10/13/1992	Gronet, et al.	219	411	10/24/1991
K-cc	A32	5,162,260	11/10/1992	Leibovitz, et al.	437	195	01/07/1991
K-cc	A33	5,176,783	01/05/1993	Yoshikawa	156	345	09/12/1991
K-cc	A34	5,222,310	06/29/1993	Thompson, et al.	34	202	01/11/1991
K-cc	A35	5,224,504	07/06/1993	Thompson, et al.	134	155	07/30/1992
K-cc	A36	5,230,743	07/27/1993	Thompson, et al.	134	32	07/30/1992
K-cc	A37	5,252,807	10/12/1993	Chizinsky	219	390	10/23/1991
K-cc	A38	5,256,274	10/26/1993	Poris	205	123	11/22/1991

## Foreign Patent Documents

*Examiner Initial		Document Number	Date	Country	Class	Subclass	Translation	
							YES	NO
K-cc	B7	06-017,291	01/25/1994	JP	C25D	7/12	<input checked="" type="checkbox"/>	<input type="checkbox"/>
K-cc	B8	06-124,887	05/06/1994	JP	H01L	21/027	<input checked="" type="checkbox"/>	<input type="checkbox"/>
K-cc	B9	08-037,143	02/06/1996	JP	H01L	21/027	<input checked="" type="checkbox"/>	<input type="checkbox"/>

## OTHER ART

*Examiner Initial		Including Author, Title, Date, Pertinent Pages, Etc.
K-cc	C7	Singer, P., "Tantalum, Copper and Damascene: The Future of Interconnects" Semiconductor International (June 1998)

Examiner	K. C. [Signature]	Date Considered	6-17-03
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## U.S. Patent Documents

*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
K-cc	A39	5,259,407	11/09/1993	Tuchida, et al.	134	151	06/14/1991
K-cc	A40	5,290,361	03/01/1994	Hayashida, et al.	134	2	01/23/1992
K-cc	A41	5,316,974	05/31/1994	Crank	437	190	04/30/1990
K-cc	A42	5,328,589	07/12/1994	Martin	205	296	12/23/1992
K-cc	A43	5,349,978	09/27/1994	Sago, et al.	134	153	06/04/1993
K-cc	A44	5,351,360	10/04/1994	Suzuki, et al.	15	302	06/05/1992
K-cc	A45	5,368,711	11/29/1994	Poris	204	193	04/29/1993
K-cc	A46	5,377,708	01/03/1995	Bergman, et al.	134	105	04/26/1993
K-cc	A47	5,415,890	05/16/1995	Kloiber, et al.	427	242	01/03/1994
K-cc	A48	5,447,615	09/05/1995	Ishida	204	224 R	06/22/1994
K-cc	A49	5,482,174	01/09/1996	Namiki, et al.	216	41	06/03/1994
K-cc	A50	5,608,943	03/11/1997	Konishi, et al.	15	302	08/22/1994
K-cc	A51	5,625,170	04/29/1997	Poris	177	50	01/18/1994

## Foreign Patent Documents

*Examiner Initial		Document Number	Date	Country	Class	Subclass	Translation	
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K-cc	B10	09-017,768	01/17/1997	JP	H01L	21/306	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
K-cc	B11	2.623.134	05/19/1989	FR	B44C	1/26	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
K-cc	B12	41 09 955	10/01/1992	DE	H01L	21/321	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

## OTHER ART

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**U.S. Patent Documents**

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Kcc	A52	5,634,980	06/03/1997	Tomita, et al.	134	3	10/18/1995
Kcc	A53	5,651,865	06/29/1997	Sellers	204	192.13	06/17/1994
Kcc	A54	5,705,223	01/06/1998	Bunkofske	427	240	12/05/1995
Kcc	A55	5,718,813	02/17/1998	Drummond, et al.	204	192.12	04/02/1993
Kcc	A56	5,723,028	03/03/1998	Poris	204	231	10/19/1994
Kcc	A57	5,753,133	05/19/1998	Wong, et al.	216	67	07/11/1994
Kcc	A58	5,783,097	07/21/1998	Lo, et al.	216	41	06/09/1997
Kcc	A59	5,879,577	03/09/1999	Weng, et al.	216	92	01/13/1997
Kcc	A60	5,897,379	04/27/1999	Ulric, et al.	438	754	12/19/1997
Kcc	A61	5,939,139	08/17/1999	Fujimoto	427	240	01/23/1998
Kcc	A62	5,976,267	11/02/1999	Culkins, et al.	134	6	05/04/1998
Kcc	A63	5,997,653	12/07/1999	Yamasaka	134	2	10/06/1997
Kcc	A64	6,017,437	01/25/2000	Ting, et al.	205	80	08/22/1997

**Foreign Patent Documents**

*Examiner Initial		Document Number	Date	Country	Class	Subclass	Translation	
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Kcc	B13	42 02 194	07/29/1993	DE	B05C	9/08	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Kcc	B14	99/25904	05/27/1999	WO	C25D	5/02	<input type="checkbox"/>	<input type="checkbox"/>
Kcc	B15	99/25903	05/27/1999	WO	C25D	5/00	<input type="checkbox"/>	<input type="checkbox"/>

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*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
KCC	A65	6,062,288	05/16/2000	Tateyama	156	584	04/16/1998
KCC	A66	6,063,232	05/16/2000	Terasawa	156	345	11/19/1992
KCC	A67	6,019,843	02/01/2000	Park, et al.	118	52	02/05/1998
KCC	A68	6,114,254	09/05/2000	Rolfson	438	758	10/15/1996
KCC	A69	6,117,778	09/12/2000	Jones, et al.	438	692	02/11/1998
KCC	A70	6,120,641	09/19/2000	Stevens, et al.	156	345	08/03/1998
KCC	A71	6,150,215	11/21/2000	Lin, et al.	438	253	08/10/1999
KCC	A72	6,290,865	09/18/2001	Lloyd, et al.	216	92	11/30/1998
KCC	A73	6,309,981	10/30/2001	Mayer, et al.	438	754	04/25/2000
KCC	A74	6,315,883	11/13/2001	Mayer, et al.	205	123	10/05/1999
KCC	A75	6,333,275	12/25/2001	Mayer, et al.	438	745	04/25/2000

## Foreign Patent Documents

*Examiner Initial		Document Number	Date	Country	Class	Subclass	Translation	
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KCC	B16	97/12079	04/03/1997	WO	C25D	5/02	<input type="checkbox"/>	<input type="checkbox"/>
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